

IN THE CLAIMS:

Please amend Claims 1, 6, 9, 13, 15, 19, 20 and 21 as follows. All the claims currently pending in this application, including those not presently being amended, have been reproduced below.

Sub
DL
F1
cl
cont

1. (Currently Amended) A display control apparatus comprising:
an input unit, arranged to input an image signal;
a judgement unit, arranged to judge a resolution of the image signal; ,
a detection unit, arranged to detect a moving change between pictures
of the image signal; and
an interpolation unit, arranged to adaptatively interpolate the image
signal in accordance with the judgement results by said judgement unit and with the detection
results by said detection unit; and
a control unit arranged to control whether a display device
simultaneously drives a plurality of lines thereof or not, in accordance with the detection results
of said detection unit.

2. (Previously Amended) An apparatus according to claim 1, wherein
said input unit can selectively input one of an image signal from a computer and an image signal
of a television format.

3. (Previously Amended) An apparatus according to claim 2, further
comprising:

a conversion unit, arranged to convert the image signal of the television format from a field unit signal into a frame unit signal.

4. (Previously Amended) An apparatus according to claim 1, wherein said interpolation unit interpolates the image signal to have a horizontal resolution same as the horizontal resolution of a display device, if said detection unit detects that the change in the image signal is large, and in other cases, interpolates the image signal to have horizontal and vertical resolutions same as the horizontal and vertical resolutions of the display device.

5. (Original) An apparatus according to claim 4, wherein the resolution of the image signal is smaller than the resolution of the display device.

6. (Currently Amended) An apparatus according to claim 5 1, further comprising: a wherein said control unit, arranged to control to display the same image signal on a controls the display device to drive the plurality of lines of the display device thereof at the same time if when said detection unit detects that the change in the image signal is large the moving change between the pictures of the image signals is larger than a predetermined value.

7. (Previously Amended) An apparatus according to claim 1, wherein said judgement unit judges a resolution in accordance with a sync signal contained in the image signal.

8. (Previously Amended) An apparatus according to claim 7, wherein said judgement unit judges a resolution by measuring horizontal and vertical sync signals contained in the image signal.

cl
ant
FI

~~9.~~ (Currently Amended) A display control apparatus comprising:
an input unit, arranged to input an image signal;
a judgement unit, arranged to judge a resolution of the image signal;
a selection unit, arranged to select one of a first image signal interpolation mode and a second image signal interpolation mode whose interpolation method is different from that of the first image signal interpolation mode; ~~and~~
an interpolation unit, arranged to adaptatively interpolate the image signal in accordance with the judgement results by said judgement unit and with the selection results by said selection unit; and
a control unit arranged to control whether a display device simultaneously drives a plurality of lines thereof or not, in accordance with the selection results of said selection unit.

10. (Previously Amended) An apparatus according to claim 9, wherein:
the first image signal interpolation mode is a mode of interpolating the image signal to have a horizontal resolution same as the horizontal resolution of the display device and displaying the same image signal on a plurality of lines of the display device at the same time; and

the second image signal interpolation mode is a mode of interpolating the image signal to have horizontal and vertical resolutions same as the horizontal and vertical resolutions of the display device and displaying the image signal on the display device.

11. (Previously Amended) An apparatus according to claim 9, wherein said judgement unit judges a resolution in accordance with a sync signal contained in the image signal.

12. (Previously Amended) An apparatus according to claim 11, wherein said judgement unit judges a resolution by measuring horizontal and vertical sync signals contained in the image signal.

Cl
ant

13. (Currently Amended) A display control apparatus comprising:
an input unit, arranged to selectively input one of a computer image signal generated from a computer and a television image signal of a television format;
a judgement unit, arranged to judge a resolution of the image signal input by said input unit; ~~and~~
an interpolation unit, arranged to adaptatively interpolate the image signal input by said input unit in accordance with a kind of the image signal input by said input unit and with the judgement results by said judgement unit; and
a control unit arranged to control whether a display device simultaneously drives a plurality of lines thereof or not, in accordance with the kind of image signal input.

14. (Previously Amended) An apparatus according to claim 13, wherein said interpolation unit interpolates the television image signal to have a horizontal resolution same as the horizontal resolution of a display device, if said input unit inputs the television image signal, and interpolates the computer image signal to have horizontal and vertical resolutions same as the horizontal and vertical resolutions of the display device if said input unit inputs the computer image signal.

15. (Currently Amended) An apparatus according to claim 14, further comprising: ~~a wherein said control unit, arranged to control to display the same image signal on~~
~~a controls the display device so as to drive the plurality of lines of the display device thereof at~~
the same time if when the television image signal is input.

cl
cont

16. (Previously Amended) An apparatus according to claim 13, wherein said judgement unit judges a resolution in accordance with a sync signal contained in the image signal.

17. (Previously Amended) An apparatus according to claim 16, wherein said judgement unit judges a resolution by measuring horizontal and vertical sync signals contained in the image signal.

18. (Previously Amended) An apparatus according to claim 13, further comprising:

a conversion unit, arranged to convert the television image signal from a field unit signal into a frame unit signal.

19. (Currently Amended) A display control method comprising the steps of:

inputting an image signal;
judging a resolution of the image signal;
detecting a moving change between pictures of the image signal; ~~and~~
adaptatively interpolating the image signal in accordance with the judgement results in said judging step and with the detection results in said detecting step; and
controlling whether a display device simultaneously drives a plurality of lines thereof or not, in accordance with the detection results in said detecting step.

20. (Currently Amended) A display control method comprising the steps of:

inputting an image signal;
judging a resolution of the image signal;
selecting one of a first image signal interpolation mode and a second image signal interpolation mode whose interpolation method is different from that of the first image signal interpolation mode; ~~and~~
adaptatively interpolating the image signal in accordance with the judgement results in said judging step and with the selection results in said selecting step; and

controlling whether a display device simultaneously drives a plurality of lines thereof or not, in accordance with the selection results in said selecting means.

21. (Currently Amended) A display control method comprising the steps

of:

selectively inputting one of a computer image signal generated from a computer and a television image signal of a television format;

judging a resolution of the image signal input in said inputting step; and

adaptatively interpolating the image signal input in said inputting step, in accordance with a kind of the image signal input in said inputting step and with the judgement results by said judging step; and

controlling whether a display device drives simultaneously a plurality of lines thereof or not, in accordance with the kind of image signal input said inputting step.